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## **Amendments**

## Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims

1. (Original) A fluorochemical composition comprising a major amount of organic solvent and 0.05% by weight to 5% by weight of fluorochemical oligomer dispersed or dissolved in said organic solvent and said fluorochemical oligomer being represented by the general formula:

$$X-M^f_nM^h_mM^a_r-G$$

wherein X represents the residue of an initiator or hydrogen; M<sup>f</sup> represents units derived from fluorinated monomers; M<sup>h</sup> represents units derived from a non-fluorinated monomers; M<sup>a</sup> represents units having a silyl group represented by the formula:

wherein each of Y<sup>4</sup>,Y<sup>5</sup> and Y<sup>6</sup> independently represents an alkyl group, an aryl group or a hydrolyzable group; G is a monovalent organic group comprising the residue of a chain transfer agent; n represents a value of 1 to 100; m represents a value of 0 to 100; r represents a value of 0 to 100; and n+m+r is at least 2;

with the proviso that at least one of the following conditions is fulfilled: (a) G is a monovalent organic group that contains a silyl group of the formula:



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wherein Y<sup>1</sup>, Y<sup>2</sup> and Y<sup>3</sup> each independently represents an alkyl group, an aryl group or a hydrolyzable group with at least one of  $Y^1$ ,  $Y^2$  and  $Y^3$  representing a hydrolyzable group; or (b) r is at least 1 and at least one of Y<sup>4</sup>, Y<sup>5</sup> and Y<sup>6</sup> represents a hydrolyzable group.

- (Currently Amended) Fluorochemical composition according to claim 1 wherein at least one of Y1, Y2 and Y3 and/or at least one of Y4, Y5 and Y6 is a hydrolyzable group selected from the group consisting of halogen, an alkoxy group, an acyloxy group, an acyl group, and an aryloxy group.
- 3. (Original) Fluorochemical composition according to claim 1 wherein said monovalent organic group G corresponds to the general formula:

$$\begin{array}{c} Y^1 \\ | \\ | \\ -S-Q^1-Si-Y^2 \\ | \\ Y^3 \end{array}$$

wherein Y1, Y2, Y3 have the meaning as defined in claim 1 or 2 and wherein Q1 represents an organic divalent linking group.

(Original) Fluorochemical composition according to claim 1 wherein Mf comprises a unit derived from a fluorinated monomer of the formula:

$$C_4F_0-O^2-E^1$$

wherein E<sup>1</sup> represents a free radical polymerizable group and Q<sup>2</sup> represents an organic divalent linking group.

5. (Currently Amended) Fluorochemical composition according to claim 1 wherein M<sup>a</sup> is a unit derived corresponding to the formula:

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wherein  $R^1$ ,  $R^2$  and  $R^3$  each independently represents hydrogen, an alkyl group, an aryl group or halogen,  $Q^3$  represents an organic divalent linking group,  $Q^4$  represents an organic divalent linking group,  $Q^4$  represents an organic divalent linking group,  $Q^4$  represents or a  $Q^4$  represents an organic divalent linking group,  $Q^4$  represents an organic divalent linking group

6. (Original) Fluorochemical composition according to claim 1 wherein G corresponds to the formula:

$$\begin{array}{c|c} O & Y^{1} \\ | & | \\ -S-Q^{1}-T^{2}-C-NH-Q^{5}-Si-Y^{2} \\ | & Y^{3} \end{array}$$

wherein  $Q^1$  and  $Q^5$  each independently represents an organic divalent linking group,  $T^2$  represents O or NR with R being hydrogen, an aryl or a  $C_1$ - $C_4$  alkyl group, and  $Y^1$ ,  $Y^2$  and  $Y^3$  have the meaning as defined in claim 1.

- (Original) Fluorochemical composition according to claim 1 wherein the composition is a homogeneous composition further comprising water and an organic or inorganic acid.
- 8. (Currently Amended) Fluorochemical composition according to claim 1 wherein the units derived from non-fluorinated monomers are units derived from non-fluorinated monomers-corresponding to the general formula:

$$R^h-Q^6_s-E^3$$

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wherein  $R^h$  represents a hydrocarbon group,  $Q^6$  is a divalent linking group, s is 0 or 1 and  $E^3$  is a free radical polymerizable group.

- 9. (Original) Method of treating a substrate comprising applying to said substrate a composition according to claim 1.
- 10. (Original) Method of treating a substrate comprising applying to said substrate a composition according to claim 1 and exposing a thus obtained coated substrate to water and an organic or inorganic acid.
- 11. (Original) Method of treating a substrate according to claim 9 further comprising the step of exposing the coated substrate to an elevated temperature of 60°C to 300°C.
- 12. (Currently Amended) Method according to claim 9 wherein said substrate is selected from the group consisting of plastics, ceramics, and glass.
- 13. (Currently Amended) Substrate comprising a coating derivable from the coating composition of any of claim 1 wherein the substrate is selected from the group consisting of plastics, ceramics, and glass.
  - 14. (Original) Fluorochemical oligomer corresponding to the formula:

 $X-M_n^fM_m^hM_r^a-G$ 

wherein X represents the residue of an initiator or hydrogen;

M<sup>f</sup> represents units derived from fluorinated monomers having the formula:

 $C_4F_9-O^2-E^1$ 

wherein E<sup>1</sup> represents a free radical polymerizable group and Q<sup>2</sup> represents an organic divalent linking group; M<sup>h</sup> represents units derived from non-fluorinated monomers; M<sup>a</sup> represents units having a silyl group represented by the formula:

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Y<sup>4</sup>
|
-Si-Y<sup>5</sup>

wherein each of Y<sup>4</sup>,Y<sup>5</sup> and Y<sup>6</sup> independently represents an alkyl group, an aryl group or a hydrolyzable group, with the proviso that at least one of Y<sup>4</sup>, Y<sup>5</sup> and Y<sup>6</sup> represents a hydrolyzable group; G represents a monovalent organic group comprising the residue of a chain transfer agent; n represents an integer of 1 to 100; m represents an integer of 0 to 100; r represents an integer of 0 to 100; and n+m+r is at least 2;

with the proviso that at least one of the following conditions is fulfilled: (a) G is a monovalent organic group that contains a silyl group of the formula:



wherein  $Y^1$ ,  $Y^2$  and  $Y^3$  each independently represents an alkyl group, an aryl group or a hydrolyzable group with at least one of  $Y^1$ ,  $Y^2$  and  $Y^3$  representing a hydrolyzable group; or (b) r is at least 1 and at least one of  $Y^4$ ,  $Y^5$  and  $Y^6$  represents a hydrolyzable group.

15. (Currently Amended) Fluorochemical oligomer having the formula:

$$X-M^{f}_{n}M^{h}_{m}M^{a}_{r}-G$$

wherein X represents the residue of an initiator or hydrogen; M<sup>f</sup> represents units derived from fluorinated monomers; M<sup>h</sup> represents units derived from non-fluorinated monomers; M<sup>a</sup> represents units having the formula:

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wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> each independently represents hydrogen, an alkyl group, an aryl group or halogen, Q<sup>3</sup> represents an organic divalent linking group, Q<sup>4</sup> represents an organic divalent linking group, T represents O or NR with R being hydrogen, an aryl or a C<sub>1</sub>-C<sub>4</sub> alkyl group, and wherein each of Y<sup>4</sup>, Y<sup>5</sup> and Y<sup>6</sup> independently represents an alkyl group, an aryl group or a hydrolyzable group, with the proviso that at least one of Y<sup>4</sup>, Y<sup>5</sup> and Y<sup>6</sup> represents a hydrolyzable group; G represents a monovalent organic group comprising the residue of a chain transfer agent; n represents an integer of 1 to 100; m represents an integer of 0 to 100; r represents an integer of 1 to 100; and n+m+r is at least 2.

16. (Original) Fluorochemical oligomer according to claim 15 wherein G corresponds to the formula:

wherein Q1 and Q5 each independently represents an organic divalent linking group, T2 represents O or NR with R being hydrogen, an aryl or a  $C_1$ - $C_4$  alkyl group, and  $Y^1$ ,  $Y^2$  and  $Y^3$ each independently represents an alkyl group, an aryl group or a hydrolyzable group with at least one of Y<sup>1</sup>, Y<sup>2</sup> and Y<sup>3</sup> representing a hydrolyzable group.

17. (Original) Fluorochemical oligomer having the formula:

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wherein X represents the residue of an initiator or hydrogen; M<sup>f</sup> represents units derived from fluorinated monomers; M<sup>h</sup> represents units derived from a non-fluorinated monomers; M<sup>u</sup> represents units having a silyl group represented by the formula:

wherein each of  $Y^4$ ,  $Y^5$  and  $Y^6$  independently represents an alkyl group, an aryl group or a hydrolyzable group, with the proviso that at least one of  $Y^4$ ,  $Y^5$  and  $Y^6$  represents a hydrolyzable group; G corresponds to the formula:

wherein  $Q^1$  and  $Q^5$  each independently represents an organic divalent linking group,  $T^2$  represents O or NR with R being hydrogen, an aryl or a  $C_1$ - $C_4$  alkyl group, and  $Y^1$ ,  $Y^2$  and  $Y^3$  each independently represents an alkyl group, an aryl group or a hydrolyzable group with at least one of  $Y^1$ ,  $Y^2$  and  $Y^3$  representing a hydrolyzable group; n represents an integer of 1 to 100; m represents an integer of 0 to 100; r represents an integer of 0 to 100; and n+m+r is at least 2.

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Respectfully submitted,

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